

**REMARKS**

In the outstanding Office Action, Claims 1-21 are subject to the following restriction:

- Group I.      Claims 1-11 drawn to a self-repair process, classified in class 427, subclass 140.
- Group II.     Claims 12-21 drawn to a self-healing system, classified in class 428, subclass 402+.

In response to the election requirement, applicant respectfully elects to prosecute the claims of Group 1, i.e., claims 1-11. This election is made with traverse.

Contra to the analysis provided in the outstanding Office Action, the present invention is believed to be directed to a self-healing wire technology that is both a process and a system. The technology provides first and second reactants that interact to create a replacement polymer that effectively “heals” ruptures that may occur in certain types of insulation. The reactants form a system that function in a certain way or “process” to create the desired polymer. The search for these reactants having the explicit relationship as claimed would logically encompass both the material (or system) and its method (or process) of application. Because the search would necessarily have to take place in both areas, there is no undue amount of searching required. It is respectfully requested that the requirement for restriction be withdrawn.

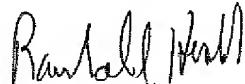
## **CONCLUSION**

Claims 12-21 stand withdrawn from further action in this application. If the request for traverse is not granted, applicant respectfully requests prompt examination of elected claims 1-11.

The Examiner is invited to contact Applicant's representative at 321-867-7214 if there are any questions regarding this Response.

Respectfully submitted,

Dec 6, 2002  
Date



Randall M. Heald  
Reg. No.: 28,561  
NASA John F. Kennedy Space Center  
Mail Code CC-A  
Kennedy Space Center, FL 32899  
Tel. No.: 321-867-7214  
Fax No.: 321-867-1817  
Customer No.: 25190